

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

SUNG-HOON KIM *et al.*

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 19 April 2004

Art Unit: *to be assigned*

For: PRIVATE EV-DO SYSTEM SHARING PUBLIC NETWORK DATA LOCATION
REGISTER AND DATA SERVICE METHOD

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes and provides copies of the following art references:

1. U.S. Patent Application No. 2004/0048601 to Lee, entitled *METHOD AND SYSTEM FOR USING EITHER PUBLIC OR PRIVATE NETWORKS IN 1xev-DO SYSTEM*, published on March 11, 2004;
2. U.S. Patent Application No. 2003/0078047 to Lee *et al.*, entitled *APPARATUS, METHOD AND SYSTEM FOR MATCHING SUBSCRIBER STATES IN NETWORK IN WHICH PUBLIC LAND MOBILE NETWORK AND WIRED/WIRELESS PRIVATE NETWORK ARE INTERWORKED*, published on April 24, 2003;
3. U.S. Patent Application No. 2003/0069013 to Lee *et al.*, entitled *APPARATUS, METHOD AND SYSTEM FOR MATCHING SUBSCRIBER STATES IN NETWORK IN WHICH PUBLIC LAND MOBILE NETWORK AND WIRED/WIRELESS*

- PRIVATE NETWORK ARE INTERWORKED*, published on April 10, 2003;
4. U.S. Patent No. 6,704,569 to Larson, entitled *CENTRALIZED USER DATABASE AND ADMINISTRATIVE NODE CONNECTING PRIVATE AND PUBLIC WIRELESS COMMUNICATIONS SYSTEMS*, issued on March 9, 2004;
 5. U.S. Patent No. 6,697,621 to Taha *et al.*, entitled *METHOD AND APPARATUS FOR PROVIDING SERVICES IN A PRIVATE WIRELESS NETWORK*, issued on February 24, 2004; and
 6. U.S. Patent No. 6,687,213 to Sayers *et al.*, entitled *METHOD AND APPARATUS FOR INTEGRATED WIRELESS COMMUNICATIONS IN PRIVATE AND PUBLIC NETWORK ENVIRONMENTS*, issued on February 3, 2004.
 7. U.S. Patent Application Serial No. (*to be assigned*) by Jun-Hyuk Lee, entitled *PERFORMING TERMINAL AUTHENTICATION AND CALL PROCESSING IN PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM*, filed concurrently with the present application.
 8. U.S. Patent Application Serial No. (*to be assigned*) by Jun-Hyuk Lee, entitled *PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM AND DATA SERVICE METHOD* filed concurrently with the present application. .

Lee *et al.* '601 relates to a high-speed wireless data system for providing services for either a public wireless network terminal or a private wireless network terminal. The system comprising: a base station for assigning an Unicast Access Terminal Identifier to each of terminals of the public wireless network and the private wireless network through a wireless channel to provide services of the high-speed wireless data system for each of the terminals; a base station controller for controlling implementation of different authentications for the terminals, assignment of an Unicast Access Terminal Identifier to each terminal, management of a session for each terminal, and data transmitted or received by each terminal; a private authentication system including an authentication database for authenticating the private wireless network terminal; a data location register including service information of the public wireless network terminal and information for receiving services from the

private wireless network of the private wireless network terminal; and a hub for intermediating data between the base station, the base station controller, and the private authentication system, the hub discriminating between private wireless network services and public wireless network services by means of Unicast Access Terminal Identifiers received from the terminals.

Lee *et al.* '047 and '013 relate to an apparatus, method and system for matching subscriber states in network in which public land mobile network and wired/wireless private network are interworked. The system matches subscriber state information of the public network to subscriber state information of the private network by allowing the private network to transmit state information of a mobile station toward the public network, the mobile station being located in a public and private cell area. The method includes the steps of a) allowing the private network to check state of a mobile station located in a public and private cell area and transmit the subscriber state information associated with the mobile station toward the public network; and b) allowing the public network to receive the subscriber state information and update the state of the mobile station in a visitor location register. The step a) is carried out when the state of the mobile station is changed or when an incoming signal from the public network is directed to the mobile station, which is in a local-area call connection state.

Larson '569 relates to a cluster of private wireless communications systems which connects to a public wireless communications system via single administrative node. The administrative node includes a shared user database containing information associated with every user of the private systems. The administrative node also includes a shared system and configuration database containing network administration information for each private system in the cluster. The administrative node further includes a switching unit connected between each private system and to the public system. Roaming among the private systems in the cluster is facilitated by storing all user data at a central shared user database, accessed by each private system as necessary. System administration, particularly for shared system parameters, is simplified by a single administrative interface common to all the private systems. The entire cluster of private systems appears as a single

connection to the public system, and utilizes only a single point code or other network address.

Taha *et al.* '621 relates to a visitor location register (140) of a private wireless network (130) which is operable to interrogate multiple home location registers (126, 142). The VLR (140) may download one or more subscriber profiles from the multiple HLRs (126, 142) in order to support a variety of services to be offered to the subscriber within the private wireless network (130). The private wireless network (130) may be embedded within the public wireless network (100), and the VLR (140) may communicate with both a private network HLR (126) and a public network HLR (142).

Sayers *et al.* '213 relates to an optical recording medium which can produce a read signal free from waveform distortion during reproduction of information. The optical recording medium comprises groove information tracks on which information pits carrying information data is to be formed, and prepit tracks provided with a plurality of previously formed land prepits connected to the groove information tracks. The groove information tracks and the prepit tracks are arranged in alternation. The groove information track has a track width smaller in at least a part of each of sections in which the land prepit exists than in sections in which no land prepit exists.

In accordance with a duty of disclosure, the Examiner is respectfully advised of U.S. Patent Application Serial No. - *to be assigned*- to Jun-Hyuk Lee, entitled *PERFORMING TERMINAL AUTHENTICATION AND CALL PROCESSING IN PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM*, which is concurrently filed with this application (Application as filed), and U.S. Patent Application Serial No. (*to be assigned*) by Jun-Hyuk Lee, entitled *PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM AND DATA SERVICE METHOD*, which is also concurrently filed with this application (Application as filed).

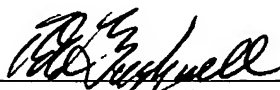
It is noted that, in accordance with 37 C.F.R. §1.98, a copy of the U.S. Patent Application and the documents identified above in relation thereto, are provided to the Examiner with this

Information Disclosure Statement. However, as to U.S. Patent Application Serial No. - *to be assigned*- to Jun-Hyuk Lee), entitled *PERFORMING TERMINAL AUTHENTICATION AND CALL PROCESSING IN PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM*, as well as U.S. Patent Application Serial No. (*to be assigned*) by Jun-Hyuk Lee, entitled *PRIVATE WIRELESS HIGH-SPEED DATA SYSTEM AND DATA SERVICE METHOD*, both of which are concurrently filed with this application, the applications are *to be maintained confidential* and no waiver of the statutory right of secrecy in the applications is implied by their disclosures in this Information Disclosure Statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,



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INFORMATION DISCLOSURE STATEMENT PTO-1449 (PAGE 1 OF 1)	SERIAL NUMBER	DOCKET NO. P57054
	APPLICANT Sung-Hoon Kim et al.	
	FILING DATE 19 April 2004	GROUP

U.S. PATENT DOCUMENTS						
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	2004/0048601	3/04	Lee et al.			
	2003/0078047	4/03	Lee et al.			
	2003/0069013	4/03	Lee et al.			
	6,704,569	3/04	Larson			
	6,697,621	2/04	Taha et al.			
	6,687,243	2/04	Sayers et al.			
	to be assigned	4/04	Lee			
	to be assigned	4/04	Lee et al.			

FOREIGN PATENT DOCUMENTS						TRANSLATION	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	

EXAMINER:	DATE CONSIDERED:
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.